

FLEXIBLE DISTRIBUTED WIRELESS SIGNAL SYSTEM AND METHOD**Abstract of the Invention**

A system and method distributes wireless signals to areas remote from a base station by incorporating a backplane fiber card connected to a backplane in a base station and a radio fiber card connected to a radio. The backplane fiber card and the radio fiber card are connected together by one or more fiber links, which carry signals between the two fiber cards. The radio can therefore be placed at any location within the length of the fiber link, remote from the backplane. The backplane fiber card can be plugged into a radio card slot in the backplane. In one embodiment, the fiber cards have connectors that connect to standard backplane and radio structures, allowing the invention to be incorporated in existing systems without any modifications to the radio or the backplane itself.

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